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INFORMATION REPORT

CD NO.

014995

COUNTRY

East Germany

DATE DISTR. 6 April 1954

SUBJECT

Development of a Sinus Generator for an Analog NO. OF PAGES 1
Computing Machine (the Pepinsky-Buch Machine)

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PLACE
ACQUIRED

NO. OF ENCLS.
(LISTED BELOW)

DATE OF
INFO.

SUPPLEMENT TO
REPORT NO. 25X1X

The Work Group for Crystal Structure Analysis in the Academy Institute for Medicine and Biology in Berlin-Buch has completed the blueprints for the element (sinus generator) of its projected analog computing machine for the solution of two-dimensional Fourier syntheses. The main parts of the element, of which 840 are to be in the machine, are:

- a. A DC motor with an operating voltage of between 6 and 24 volts. The exact voltage has not yet been determined. The motor has a permanent magnet, pole shoes and a rotor. The latter piece of equipment makes it possible to set the phase value by a through long distance operation.
- b. Differential gear (Planetengetriebe).
- c. A direct current rotary field system of 24 volts with a resistance disk. 1/

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